

Project Audit



Project:
CroDefense

March 16, 2022



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CroDefense

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Overview

This audit has been prepared for **CroDefense** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a summarized review of the following main key point:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

This is a relaunch of the project: TowerVerse (<https://towerverse.io>) – According to the devs, they were not happy with the TowerVerse launch and now they are re-launching on CRONOS.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
– SpyWolf Team

Smart Contract Summary

Contract Name	CroDefense
Ticker	CROD
Contract	0x1A64d4915790f3e99DF327c8e5B7758A42C94Ed1
Network	Cronos
Language	Solidity
Tax	None
Total Supply	1,000,000,000
Status	Launched

Current stats

Burn	No burned tokens
LP Address	No liquidity added yet
MaxTxAmount	5,000,000

Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓

Featured Wallets

Owner address	0x46618954ecB17Cb7014C5fcC2b5a751441BEeBE7
*BuyBack wallet	Same as owner
*Marketing wallet	0x03EfEeaB197aF51a9158Da40F9d5aD88c7a1dFCf
*Staking address	0x00
*Lp address	Same as owner
LP token address	Liquidity not added yet

Top 3 Unlocked Wallets

Wallet 1 (100%)	Same as owner
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Tokens not distributed yet

***This address can be changed in future by the owner**

Tokenomics

 **There is no information about tokens distribution in their website.**

Security Threads

Owner can change buy/sell fees up to 15% (combined buy+sell=30%).

```
function setReflectionFeePercent(uint256 reflectionFee) external teamMemberOnly() {
    require(reflectionFee + _liquidityFeeBuy + _liquidityFeeSell <= 15, "tax too high");
    _reflectionFee = reflectionFee;
}
function setLiquidityFeePercent(uint256 liquidityFeeBuy, uint256 liquidityFeeSell) external teamMemberOnly {
    require(_reflectionFee + liquidityFeeBuy + liquidityFeeSell <= 15, "tax too high");
    _liquidityFeeBuy = liquidityFeeBuy;
    _liquidityFeeSell = liquidityFeeSell;
}
```

Owner can change max transaction limit, but can't lower it than 0.1% of total supply

```
function changeWhaleSettings(uint256 maxTxAmount, uint256 maxWallet) external teamMemberOnly {
    require(maxTxAmount > totalSupply().div(1000), "max tx too low");
    require(maxWallet > totalSupply().div(1000), "max wallet too low");
    _maxWallet = maxWallet;
    _maxTxAmount = maxTxAmount;
}
```


CroDefense Project & Team Review

According to their website:

CroDefense project will be tower defence game based on NFTs. There will be staking dapp where holders can stake their tokens to receive rewards and also NFT marketplace.

Team:

 KYCd by SpyWolf

https://spywolf.network/assets/kyc/2022/april/KYC_CroDefense_0x1A64d4915790f3e99DF327c8e5B7758A42C94Ea1.png



Website Analysis

URL: <https://crodefense.io/>

- **Design:** Single page, nice color scheme.
- **Content:** Informative, well structured, no grammar mistakes.
- **Whitepaper:** No whitepaper. ⚠️
- **Roadmap:** Goals set for 1 year a head.
- **Mobile-friendly?** Yes
- **Technical:** SSL certificate present. General SEO check passed.



Social Media & Online Presence



Telegram

<https://t.me/CrodefensePortal>

- 1 404 members
- Few active members ⚠️
- Active mods



Twitter

<https://twitter.com/crodefense>

- 3 880 Followers
- Active



About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: SpyWolf.co
- Portal: SpyWolf.network
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.